

PROCEEDINGS
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THREE NEW BATS FROM HAITI AND SANTO DOMINGO.

BY GERRIT S. MILLER, JR.

Owl-pellets collected by Dr. W. L. Abbott in a small cave near Port de Paix, Haiti, contain the remains of five species of bats: *Erophylla santacristobalensis* (Elliot), *Phyllops haitiensis* (J. A. Allen), *Artibeus jamaicensis jamaicensis* (Gosse), and a *Brachyphylla* and *Eptesicus* representing new local forms. Dr. Abbott also took a specimen of the *Eptesicus* at Constanza, Santo Domingo. Near Jérémie, Haiti, he secured a new local form of *Monophyllus*.

***Brachyphylla pumila*, sp. nov.**

Type.—Skull (lacking roof of braincase and all the teeth except pm⁴ and m¹) No. 218354 U. S. National Museum. Collected in a small cave ("Trou de Bon Dieu") near Port de Paix, Haiti, by Dr. W. L. Abbott.

Characters.—Like the Cuban *Brachyphylla nana*, but first upper molar with inner portion of crown narrower, the protocone rising abruptly from posterior margin to summit, its base noticeably wider in proportion length than in any other known member of the genus.

Measurements.—Condylbasal length, 25.2 (24.2)*; zygomatic breadth, 14.8 (14.4); interorbital constriction, 6.3 (6.7); lachrymal breadth, 8.6 (—); breadth of braincase, 11.6 (11.7); depth of braincase at middle, (9.0); maxillary tooththrow (exclusive of incisors), 9.2 (8.9).

Specimens examined.—Two, both from the type locality.

Remarks.—The *Brachyphylla* of Haiti is very different from the large *B. cavernarum* of Porto Rico. It is nearly related to the Cuban representative of the genus, but the characters of the first molar indicate its specific distinctness.

***Eptesicus hispaniolæ*, sp. nov.**

Type.—Adult male (in alcohol), No. 217207 U. S. National Museum. Collected at Constanza, Santo Domingo, September 22, 1916, by Dr. W. L. Abbott.

* Measurements in parenthesis are those of a second specimen from the type locality.

Characters.—A small species, like the other West Indian forms. Skull about the same size as in *Eptesicus cubanus* (smaller than in *E. wetmorei*, larger than in *E. bahamensis*), its general outline broader than in any of the related insular species. Color dark, essentially as in *E. cubanus*.

Measurements.—Head and body, 61; tail, 40.4; tibia, 18.0; foot, 10.5; forearm, 44.7; thumb, 7.4; third finger, 75; fourth finger, 67; fifth finger, 58; ear from meatus, 14.2; ear from crown, 12.6; width of ear, 11.5; condylobasal length of skull (teeth moderately worn), 16.4; zygomatic breadth, 11.7; interorbital constriction, 4.2; lachrymal breadth, 6.4; breadth of braincase, 8.0; depth of braincase at middle, 5.4; mandible, 12.3; maxillary toothrow (exclusive of incisors), 6.2; mandibular toothrow (exclusive of incisors), 7.0.

Specimens examined.—The type, from Constanza, Santo Domingo, and two imperfect skulls from Port de Paix, Haiti.

Remarks.—The *Eptesicus* of Haiti and Santo Domingo is a well characterized form. Its relationships are with the small Cuban and Bahaman animals and not with the large race occurring in Porto Rico. The characters of the Porto Rican form, however, can not at present be clearly understood. The type is immature (skull with basal and palatal sutures not fully closed; those of the nasals obliterated) and the second known specimen is still younger. On the basis of this material I have been unable to find any character that distinguishes the animal from *Eptesicus fuscus*. The color appears to be darker than in average specimens of *E. fuscus* from the eastern United States. and the upper canines seem less robust; but it is impossible to decide whether these peculiarities are constant.

***Monophyllus cubanus ferreus*, subsp. nov.**

Type.—Adult male (skin and skull) No. 219151 U. S. National Museum. Collected in a cave 8 miles W. S. W. of Jérémie, southwestern Haiti, December 7, 1917, by Dr. W. L. Abbott.

Characters.—Like *Monophyllus cubanus cubanus*, but color of upperparts clear dark hair-brown with a slight metallic gloss and with no obvious trace of the buffy-brown or fawn-color characteristic of the Cuban race. Measurements as well as cranial and dental characters apparently identical with those of true *M. cubanus*.

Measurements.—Type: head and body, 65; tail, 4; tibia, 17; foot, 11; forearm, 39; condylobasal length of skull, 19.8; mandible, 14.0; maxillary toothrow exclusive of incisors, 7.6; mandibular toothrow exclusive of incisors, 7.8.

Specimens examined.—Twenty-four (two skins), all from the type locality.